WHAT IS CLAIMED IS:

1	1.	A pistol with magazine disconnect mechanism lock comprising:	
2	a frame that holds a magazine;		
3	a hammer pivotally mounted to the frame;		
4	a sear engageable with the hammer, the sear operable to hold the hammer in a		
5	cocked position and further to release the hammer from the cocked position to		
6	discharge the pistol;		
7	a locking member movable into and out of engagement with the sear in response		
8	to removing the magazine from and inserting the magazine into the pistol, the locking		
9	member engaging the sear when the magazine is removed to prevent the sear from		
10	moving and releasing the hammer while held in the cocked position by the sear.		
1	2.	The pistol of claim 1, wherein the magazine contacts and moves the	
1		in a first direction to disengage the locking member from the sear when the	
2	magazine is inserted into the pistol.		
3	magazine is inse	erted into the pistor.	
1	3.	The pistol of claim 2, wherein the magazine breaks contact with and	
2	moves the locking member in a second direction to engage the sear when the magazine is		
3	removed from the pistol.		
	4	The pistol of claim 1, wherein the locking member is vertically movable	
1	4.	-	
2	from a first position in which the locking member does not engage the sear to a second position		
3	in which the loc	king member engages the sear.	
1	5.	The pistol of claim 1, further comprising a biasing member to bias the	
2	locking membe	r into engagement with the sear.	
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1	6.	The pistol of claim 1, wherein the locking member is pivotally mounted	
2	to the frame and	d movable in a pivotal manner into and out of engagement with the sear.	
1	7.	The pistol of claim 1, wherein the locking member further comprises a	
2	mounting porti	on and a blade protruding outwards and forward therefrom, the mounting	

portion containing a hole that receives a pivot pin to mount the locking member to the frame

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4	and provide pivotal movement of the locking member in response to removing and inserting		
5	the magazine.		
1	8.	The pistol of claim 7, wherein the hammer and the locking member are	
2	pivotally mounted to the frame on a common pivot pin disposed laterally in the frame.		
1	9.	The pistol of claim 7, wherein the blade further comprises a straight	
2		ed portion that laterally protrudes into the path of the magazine as it is	
3	inserted into the pistol and contacts the magazine to impart movement to the locking member.		
1	10.	The pistol of claim 9, wherein the angled portion is disposed at an angle	
2	of about 40 degrees	to the straight portion.	
1	11.	The pistol of claim 9, wherein the angled portion contains a vertically-	
2	inclined front surfa-	ce to contact the magazine.	
	10	The pistol of claim 1, wherein the locking member further comprises a	
1	12.		
2	hook configured to	engage and prevent the sear from moving.	
1	13.	The pistol of claim 12, wherein the hook further comprises a generally	
2	square-shaped recess configured to engage a complimentary square-shaped protrusion on the		
3	sear.	·	
1	14.	A pistol with magazine disconnect mechanism lock comprising:	
2	a frame defining an open cavity to receive a magazine;		
3	a hammer pivotally mounted to the frame;		
4	a trigger pivotally mounted to the frame;		
5	a sear pivotally mounted to the frame and movable in response to a user pulling		
6	the trigger, the sear engageable with the hammer and operable to hold the hammer in a		
7	cocked position, and further operable to release the hammer from the cocked position in		
8	response to pulling the trigger to discharge the pistol;		
9	a pivoting locking member movable into and out of engagement with the sear in		
10	response to inserting and removing the magazine from the frame cavity, the locking		
11	member movable l	petween:	

		the second from the second		
12	a non-locking position in which the locking member is disengaged from the sear			
13	which is freely movable when the magazine is inserted in the frame, and			
14	a locking position in which the locking member engages the sear to prevent the			
15	sear from moving and releasing a cocked hammer when the magazine is removed from			
16	the frame.			
		The pistol of claim 14, further comprising a biasing member to bias the		
1	15.			
2	locking member	into engagement with the sear.		
1	16.	The pistol of claim 14, wherein the sear further comprises a protrusion		
2	and the locking member further comprises a hook having a recess configured to receive the			
3	protrusion and prevent the sear from moving.			
_	10	The pistol of claim 14, wherein the locking member further comprises a		
1	17.	-		
2	blade having a straight portion and an angled portion thereto that protrudes into the cavity in			
3	the frame that receives the magazine, the angled portion positioned to contact the magazine			
4	when it is inserte	ed into the frame.		
1	18.	The pistol of claim 17, wherein the angled portion is disposed at an angle		
2	of about 40 degr	rees to the straight portion of the blade.		
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1	19.	The pistol of claim 14, wherein the trigger further comprises a hook and		
2	the magazine further comprises a catch to engage the hook, the hook positioned to engage the			
3	catch to prevent the magazine from being removed from the pistol if the trigger is partially			
4	pulled rearward	S.		
1	20.	The pistol of claim 19, wherein the hook is located on a rear surface of		
2	the trigger and t	he catch is located on a front surface of the magazine.		
1	21.	A method of disabling the discharge of a pistol having a magazine and a		
2	frame to receive the magazine, the method comprising:			
3	inserting the magazine into the frame;			
4	cocking a hammer that is pivotally mounted in the frame to strike a firing pin			
5	and discharge t	he pistol;		

6	engaging the cocked hammer with a pivoting sear to hold the hammer in
7	position, the sear being movable to release the hammer to strike the firing pin;
8	removing the magazine from the frame; and
9	moving a locking member simultaneously with removing the magazine into
10	engagement with the sear to prevent the sear from moving to release the cocked
11	hammer and discharging the pistol.

1 22. The method of claim 21, further comprising the step of reinserting the 2 magazine into the frame, and disengaging the locking member from the sear simultaneously 3 with reinserting the magazine to allow the sear to move to release the cocked hammer.